

ABSTRACT

[01] A method and apparatus for delivering a pulse waveform to a target site of a patient that includes an energy storage device storing electrical energy and control circuitry, coupled to the energy storage device and a plurality of electrodes, generating the pulse waveform from the stored energy and delivering the pulse waveform to the target site via the plurality of electrodes. Each of the electrodes includes a pair of switching elements that are selectively opened and closed by the control circuitry in response to control signals to produce pulse signals at each output terminal. Continuous multi-directional waveforms are formed by generating phase-shifted signals at each electrode.